

## SAFETY DATA SHEET

According to Regulation (EC) No 1272/2008

Date Issued: 10.10.2014

Form No: GBF201410100269

Product Name: **ERDOL 013**

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### 1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

**Product Name:** ERDOL 013

**Chemical Family:** Chemical Ceramic

**Identified uses:** Industrial use, dolomite refractory brick.

**Uses advised against:** No specific uses advised against are identified.

**Details of the Supplier:** Haznedar Refrakter San. A.Ş.

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### 2. HAZARDS IDENTIFICATION

**Classification of the substance or mixture:**

**Classification according to Regulation (EC) No 1272/2008 (CLP):** Not classified.

**Physical hazards:** Not classified.

**Human Health:** Not classified

**Environment:** Not classified

**Hazard Statements:** None.

**Precautionary statements:**

**P261:** Avoid breathing dust.

**Classification according to Directive 67/548/EEC or Directive 1999/45/EC (DSD):** Not classified.

**Risk Phrases:** None.

**Safety Phrases:**

**S22:** Do not breathe dust.

**Potential Hazards:**

**Human Health:** Dust may irritate throat and respiratory system and cause coughing. Dust may cause mechanical irritation of eyes and skin.

**Physical and Chemical Hazards:** None.

**Label Elements:**

**Label In Accordance With (EC) No. 1272/2008**

No pictogram, no H statements.

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### P statement (recommended):

**P261** : Avoid breathing dust.

### Other Hazards:

This product does not contain any PBT or vPvB substances.

The product does not have any hazard due to its form.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

**Mixture: consisting of the following components (Chemical Analysis):**

Name	Cons.% (w/w)	EINECS no	CAS no	Classification according to Regulation (EC) No. 1272/2008 [CLP]	Classification according to Directive 67/548/EEC
MgO	39.0	215-171-9	1309-48-4	None	None
C	6.00	231-153-3	7440-44-0	None	None
CaO	58.5	215-138-9	1305-78-8	None	None

**Composition Comments:** The data shown are in accordance with the latest EC Directives.

### 4. FIRST AID MEASURES

#### Description of first aid measures:

**Inhalation:** If high concentrations of dust is inhaled move the exposed person to fresh air at once. Rinse nose and mouth with water. Get medical attention if discomfort continues.

**Skin contact:** Wash skin thoroughly with soap and water.

**Eye contact:** Make sure to remove any contact lenses before rinsing. Promptly wash eyes with plenty of water while lifting the eye lids. Continue rinsing for at least 15 minutes. Get medical attention if discomfort continues.

**Ingestion:** Ingestion is not considered a potential route of exposure. Get medical attention if ingested.

#### Most important symptoms and effects, both acute and delayed :

**Inhalation:** Upper respiratory irritation.

**Ingestion:** No data available.

**Skin contact:** Mechanical irritation.

**Eye contact:** May cause temporary eye irritation.

#### Indication of any immediate medical attention and special treatment needed:

Treat symptomatically.

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### 5. FIRE FIGHTING MEASURES

**Extinguishing Media:** Fire can be extinguished using : Water spray, fog or mist; Carbon dioxide (CO<sub>2</sub>); foam ;dry chemicals; sand, dolomite, etc.

**Unsuitable Extinguishing Media:** None.

**Unusual Fire and Explosion Hazards:** None.

**Specific Hazards:** None.

**Advice for firefighters:** Wear self-contained respiratory protective device. Wear fully protective suit.

Fight fire with normal precautions from a reasonable distance.

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### 6. ACCIDENTAL RELEASE MEASURES

**Personal precautions, protective equipment and emergency procedures:** Wear protective clothing as described in section 8 of this safety data sheet. Avoid inhalation of dust. Avoid dust formation.

**Methods and material for containment and cleaning up :** Remove sources of ignition. Avoid generation and spreading of dust. Collect spillage in containers, seal securely and deliver for disposal in accordance to local regulations. Collect mechanically. Wash contaminated area with water.

**Environmental precautions :** Not expected to be hazardous for the environment.

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### 7. HANDLING AND STORAGE

**Precautions for safe handling:** Provide good ventilation. Avoid handling which leads to dust formation. Use mechanical ventilation in case of handling which causes formation of dust. Observe occupational exposure limits and minimise the risk of inhalation of dust. Observe good chemical hygiene practices. Avoid humidity and water.

**Conditions for safe storage, including any incompatibilities:** Store in a dry place. Avoid humidity and water. Decomposes in contact with water or in humidity. Use vacuum aluminium packaging.

**Specific end use(s):** The identified uses for this product are detailed in Section 1.

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### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**Occupational Exposure Limits :**

**MgO** TWA : 10 mg/m<sup>3</sup>

**Exposure controls:**

**Engineering measures:** Provide adequate general and local exhaust ventilation. Minimize the risk of inhalation of dust.

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**Eye Protection:** Wear approved safety goggles.

**Hands Protection:** Wear suitable protective gloves for prolonged or repeated skin contact.

**Skin and Body Protection:** Wear protective clothing as deemed necessary.

**Respiratory Protection:** No specific recommendation is made, but protection against nuisance dust must be used when the general level exceeds 10 mg/m<sup>3</sup>.

**Hygiene measures:** Do not smoke in work area. Do not eat or drink. Wash hands at the end of each working shift and before eating, drinking, smoking or using toilet. Wash promptly if skin becomes contaminated. Promptly remove any contaminated clothing.

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### 9. PHYSICAL AND CHEMICAL PROPERTIES

**Physical Form:** Solid.

**Color:** Black.

**Odor:** No odor.

**Flash Point:** Not applicable.

**Self Ignition Temperature:** Not self-igniting.

**Bulk Density:** 2.70 g/cm<sup>3</sup>

**Water Solubility:** Insoluble in water.

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### 10. STABILITY AND REACTIVITY

**Reactivity:** There are no known reactivity hazards associated with this product.

**Chemical Stability:** Stable under prescribed storage and normal use conditions.

**Possibility of hazardous reactions:** No information required.

**Conditions to avoid:** Water and humidity. Decomposes in contact with water or in humidity.

**Incompatibility:**

**Materials to avoid:** Water.

**Hazardous Decomposition or By Products:** None.

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### 11. TOXICOLOGICAL INFORMATION

**Acute toxicity:**

**Inhalation:** Inhalation is the primary route of exposure. Dust in high concentrations may irritate the respiratory system.

**Ingestion:** No specific health warnings noted.

**Eye contact:** Particles in the eyes may cause irritation and smarting.

**Skin contact:** May cause mechanical irritation.

**Sensitization:** No sensitizing effects known.

**Chronic Toxicity:** No chronic effects observed with this product.

**CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction):** Not available.

**Specific target organ toxicity – single exposure:**

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**STOT – Single exposure:** Not available.

**Specific target organ toxicity – repeated exposure:**

**STOT – Repeated exposure:** Not available.

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### 12. ECOLOGICAL INFORMATION

**Ecotoxicity:** No classification concerning the environment. Not regarded dangerous for the environment.

**Toxicity:** No data available.

**Water Hazard class (German Regulation):** 1 (slightly hazardous for water).

**Persistence and degradability :** The biodegradability of this product has not been stated.

**Bio accumulative potential:** No data available on bioaccumulation.

**Mobility in soil:** The product is insoluble in water and will sediment in water systems.

**Results of PBT and vPvB assessment:** This product does not contain any PBT or vPvB substances.

**Other adverse effects:** No information required.

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### 13. DISPOSAL CONSIDERATIONS

**General information:** This product is not hazardous waste.

**Waste treatment methods:** Dispose waste and residues in accordance with local authority requirements.

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### 14. TRANSPORT INFORMATION

**General:** The product is not covered by international regulation on the transport of dangerous goods (IMDG,IATA,ADR/RID).

**UN No:** Not applicable.

**Proper Shipping Name:** Not applicable

**Transport label:** No transport warning sign required.

**Environmental Hazards:**

**Environmentally hazardous substance/Marine pollutant:** No

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### 15. REGULATORY INFORMATION

**Safety, health and environmental regulations/legislation specific for the substance or mixture:**

**EU Legislation:**

Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on Classification, Labelling and Packaging of substances and mixtures (CLP), amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006 with amendments.

**Statutory Instruments:**

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The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 ( S.I. 2009 No.716)

**Approved Code of Practice:**

Safety Data Sheets for Substances and Preparations.

Classification and Labelling of Substances and Preparations Dangerous for Supply.

**Guidance Notes:**

Workplace Exposure Limits EH40.

CHIP for everyone HSG(108)

**Chemical Safety Assessment:**

Not necessary.

The regulatory information is not intended to be comprehensive. Other local regulations may apply to this material.

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### 16. OTHER INFORMATION

This Safety Data Sheet (SDS) has been fully issued according to the CLP and REACH regulations based on the information received from the product owner.

**Safety Data Sheet Issued By:** Chemical Engineer Birgul Girgin (info@gbfhazirlama.com)

Specialist Accreditation Number : TSE GBF -1157 04.06.2012

**Date Issued :** 24.02.2014

**Contact person :** Volkan Demirsan: info@hazref.com

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